

Patent Abstracts of Japan

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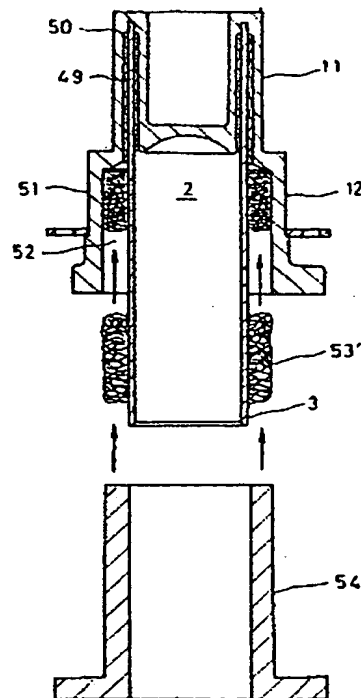
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INVENTOR : WATANABE TETSUMI;

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TITLE : STIRLING ENGINE



ABSTRACT : PURPOSE: To facilitate a fitting work and let the working gas equally flow into respective regenerators by constituting the generator so that heat reserve material is stuffed in an annular space formed around an expansion cylinder.

CONSTITUTION: A regenerator 12 communicated to a heater 11 is constituted so that metallic fiber 53 made of stainless steel of 50 - 200 μ wire diameter is stuffed into an annular space 52 formed around an expansion cylinder 3 arranged with a cylindrical body 51, so as to occupy 50% of the space 52 with the metallic fiber by means of a mandrel 54. Hereby, due to utilizing the space around the expansion cylinder as the regenerator, a great deal heat reserve material can be used, in addition, the stuffing work is easy, and also special technique is unnecessary for connecting work of the heater or the cooler.

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